

4/C CU 2000V EPDM/CPE Type G Industrial Grade Cable 90°C

Flexible Copper conductors, Ethylene Propylene Diene Monomer (EPDM) insulation, Single Layer Chlorinated Polyethylene (CPE) Jacket



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor:** Bare, soft drawn, annealed, flexible, rope-lay stranded copper per ASTM B3/B172
- Separator Tape:** Non-conducting tape applied between the conductor and insulation to facilitate stripping
- Insulation:** Ethylene Propylene Dien Monomer (EPDM). Color coded black, white, blue, red for sizes #4/0 and smaller and black, white, red, orange for sizes over 250 kcmil
- Ground Conductors:** Four insulated, bare, soft drawn, annealed, rope stranded, flexible lay copper per ASTM B3/B172
- Fillers:** Paper fillers applied as needed to round the cable core
- Tape:** Reinforcing tape applied over the cabled core for improved mechanical integrity and ease of stripping
- Reinforcement Binder:** Reinforcing twine applied over the tapped core
- Jacket:** Black, flame resistant, thermosetting Chlorinated Polyethylene (CPE)

APPLICATIONS AND FEATURES:

Southwire Type G cable is a heavy-duty industrial cable for use in flexible, portable, and extra-hard usage applications where equipment grounding is required per NEC Article 400. Suitable for continuous submersion in water – ideal for submersible pumps, marine application. Also suitable for use in light to medium-duty mining applications. Sunlight and oil resistant. Highly flexible and easy to work with in cold conditions. Not for use as permanent building wiring. Meets FT-5 Flame Test. cUL Listed.

SPECIFICATIONS:

- ASTM B3 Standard Specification for Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors
- UL 1650 Standard for Portable Power Cable
- MSHA Approved
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

2 AWG 4/C TYPE G PORTABLE POWER CABLE 90°C WET OR DRY 2000V OIL AND SUN RES (UL) P-136-35-MSHA AIWTM c (UL) FT1/FT5 (-40°C)



Southwire



Services

Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Diameter Over Insulation	Ground Size	Ground Strands	Approx. OD	Approx. Weight
	AWG/ Kcmil	No.	No.	inch	mil	inch	AWG	No.	inch	lb/1000ft
562081	2	4	168	0.315	60	0.471	9	49	1.46	1,890

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

Table 2 – Electrical and Engineering Data

Stock Number	Cond. Size	Cond. Number	DC Resistance @ 25°C	AC Resistance @ 90°C	Inductive Reactance	Min Bending Radius	Allowable Ampacity In Air 60°C†	Allowable Ampacity In Air 75°C†	Allowable Ampacity In Air 90°C†
	AWG/ Kcmil	No.	Ω/1000ft	Ω/1000ft	MΩ/1000ft	inch	Amp	Amp	Amp
562081	2	4	0.1720	0.2150	0.034	9	112	133	152

* Inductive reactance based three current-carrying conductors.

† Ampacity based on NEC 400.5(A)(2) and is for a single isolated cable in air operated at an ambient temperature of 30°C connected to utilization equipment so that only three conductors are current-carrying. If 4 conductors are current-carrying, derate by 0.80 per NEC Table 400.5(A)(3)

